

exchanger, to cool an air-conditioning air. The coolant may comprise a liquid such as a pure water, an ethylene glycol aqueous solution, or a PFC liquid, for example, which may have a large heat capacity as compared with a refrigerant (e.g., Flon (or Freon, i.e., chlorofluorocarbon) substitute Flon, propane, etc.) to be used with the refrigerator. Also, because it is a liquid, any pressure change does not directly cause a temperature change. For these reasons, any temperature change in the refrigerant may be sufficiently smoothed by the coolant having a large heat capacity.

IN THE CLAIMS:

Please amend Claims 1, 4 and 11 as follows. A marked-up copy of the amended claims showing the changes made thereto, is attached. Note that all the claims currently pending in this application, including those not presently being amended, have been reproduced below for the Examiner's convenience.

1. (Three Times Amended) An apparatus, comprising:
a chamber enclosing equipment; and
an air conditioner for controlling a supply of air supplied into said chamber, said air conditioner including (i) a refrigerator using a refrigerant, (ii) a first heat exchanger for exchanging heat between the refrigerant and a coolant, (iii) a second heat exchanger for exchanging heat between the coolant and the supply of air supplied into said chamber, and (iv) an electric heater, having a temperature sensor, for heating the supply of air at a predetermined temperature, wherein

D1 the refrigerant is circulated between said refrigerator and said first heat exchanger, and wherein the coolant comprises a liquid and is circulated between said first and second heat exchangers.

C2 2. (Not Amended) An apparatus according to Claim 1, wherein said air conditioner further includes an air blower.

C3 4. (Amended) An apparatus according to Claim 1, wherein said first heat exchanger comprises an evaporator.

5. (Not Amended) An apparatus according to Claim 1, wherein said refrigerator comprises a compressor and a condenser.

6. (Not Amended) An apparatus according to Claim 1, further comprising a reservoir and a pump provided between said first and second heat exchangers.

7. (Not Further Amended) An apparatus according to Claim 1, wherein at least a portion of said air conditioner is disposed adjacent said chamber.

8. (Not Further Amended) An apparatus according to Claim 7, wherein said second heat exchanger is disposed adjacent said chamber, and wherein said refrigerator and said first heat exchanger are disposed separately from said chamber.

S&D 9. (Not Further Amended) An apparatus according to Claim 1, wherein the coolant is selected from the group consisting of water, an anti-freeze liquid, and a fluoride inert liquid.

C 4 11. (Three Times Amended) An apparatus according to Claim 1, wherein said equipment is selected from a group consisting of exposure equipment, inspection equipment and measuring equipment.

S&D 18. (Not Amended) An apparatus according to Claim 1, wherein the semiconductor manufacturing equipment is a semiconductor exposure apparatus.

19. (Not Amended) An apparatus according to Claim 11, wherein the inspection equipment is a mask inspection equipment.

20. (Not Amended) An apparatus according to Claim 11, wherein the measuring equipment is a laser interferometer.

Please add Claim 21 as follows:

C S 21. (New) An apparatus, comprising:
a chamber enclosing equipment; and
an air conditioner for controlling a supply of air supplied into said chamber, said air conditioner including (i) a refrigerator using a refrigerant, (ii) first heat exchanger means for exchanging heat between the refrigerant and a coolant, (iii) second heat